| 10/613,320   BERNARDON ET AL.  | Index of Claims |          |              |                  |                |           |        |          |      |       |                          |            | Application No. |          |    |          |           |            |            |       |          | Applicant(s) |          |             |             |           |    |       |     |  |
|--|-----------------|----------|--------------|------------------|----------------|-----------|--------|----------|------|-------|--------------------------|------------|-----------------|----------|----|----------|-----------|------------|------------|-------|----------|--------------|----------|-------------|-------------|-----------|----|-------|-----|--|
| Examiner   Laura L. Stockton, Ph.D.   1626   | index of Claims |          |              |                  |                |           |        |          |      |       |                          | 10/613.320 |                 |          |    |          |           |            |            |       | •        |              |          |             |             |           |    |       |     |  |
| Laura L. Stockton, Ph.D.   1626  |                 |          |              |                  |                |           |        |          |      |       |                          |            |                 |          |    |          |           | Art Unit   |            |       |          |              |          | <del></del> |             |           |    |       |     |  |
| Rojected   |                 |          |              |                  |                |           |        |          |      |       |                          |            | 1               |          |    | C4-      | _1.4_     | _ •        | <b>.</b> . |       |          |              |          |             |             | l         |    | •     |     |  |
| Cancelled   N   Non-cleared   A   Appeal   |                 |          |              |                  |                |           |        |          |      |       | Laura L. Stockton, Ph.D. |            |                 |          |    |          |           |            |            | 1626  |          |              |          |             | <del></del> |           |    |       |     |  |
| Cancelled   N   Non-cleared   A   Appeal   | ١               |          | $\Gamma_{i}$ | Pole             | d              | 1         | П      | (T       | hrou | gh r  | וועוו                    | era        | i)              | 1        |    | ·.       |           |            |            | 1     | П        |              |          |             |             | ٦         |    |       |     |  |
| Claim  | ı               |          | Ľ            | Kele             | rcuo           |           |        |          | Ca   | nçe   | lled                     |            |                 |          | N  | N        | on-E      | lec        | ted        |       | A        |              | Ap       | peal        | l           |           |    |       |     |  |
| Calm   | 1               |          | =            | Allo             | wed            |           | 1.     |          | Res  | stric | ted                      | 1          |                 | ]        |    | In       | torfe     |            |            | 1     |          | -            |          | -4-         |             | 1         |    |       |     |  |
| The state of th    |                 |          | L            | <u> </u>         |                | J         | Ц      |          |      |       |                          |            |                 | J        |    | "        |           | 9141       | -          |       | Ц        |              | عزمر     | cte         | <u> </u>    |           |    |       |     |  |
| The color of the   | ĺ               | Claim    |              |                  |                | Ð         |        | ]        | Clai | m     |                          | ÷          | _               | Date     | _  |          |           | ו ר        | C          | aim   |          |              |          | 3210        |             |           | _  |       | -   |  |
| 1   10   10   10   10   10   10   10   | ı               | ਰ ਵ      | 12           | 25               | 4 1            |           | П      |          | _    | lal   | П                        | T          | Т               | П        |    | Т        | T         | 11         |            |       | П        | T            | Π        | Ï           | Т           | TT        | ┥. |       |     |  |
| 1   10   10   10   10   10   10   10   | I               | E 를      | 17           |                  | • 1            |           | П      |          | Ë    | 를     |                          | 1          | 1               |          |    |          |           |            | Fina       | rigin | П        |              | П        |             |             | П         |    |       |     |  |
| 2.   |                 |          | -            | ~~               | $\vdash\vdash$ | ╁         | ₩      | ┨╏       |      |       | 4                        | 4          | ╀               | Ц        | 4  | 4        | _         | 11         |            |       | Ц        | $\perp$      | Ц        | $\perp$     |             | Ш         |    |       |     |  |
|  |                 | 2 2      | 1            |                  | 二              | 上         | 廿      | <u> </u> |      | 52    | $\pm$                    | +          | ╁               | Н        | +  | +        | +         | 1 }        |            |       | $\dashv$ | +            | Н        | $\perp$     | Ŧ           | П         | 7  |       |     |  |
| □          | ١               |          | Н            |                  |                | H         | H      | 7 /      |      |       | $\exists$                | Ŧ          | F               |          | 7  | 7        |           | 1          | $\Box$     | 103   |          | 土            | Ħ        | 士           | 士           | $\coprod$ | Ⅎ  | • • • |     |  |
| 1  | ı               | 5 5      |              | 111              |                |           |        | 1 1      |      | 55    | $\pm$                    | 士          | $\pm$           | +        | +  | +        | +         | 1 }        |            |       | +        | +-           | H        | +           | +           | H         | 7  |       |     |  |
| \$\begin{array}{c c c c c c c c c c c c c c c c c c c  | I               |          | Н            | -1111            |                | +         | H      | ┨╌┠      | - 1  | 56    | 4                        | Ŧ          | $\blacksquare$  |          | 7  |          |           | 1          |            | 106   | ユ        |              |          | 士           | 土           |           | Ė  |       |     |  |
| To   10  | ı               | 8 2      |              | ##               | 口              |           | 口      | 1        |      | 58    | 土                        | 土          | Н               | 1        | +  | +        | H         | <b> </b>   |            |       | +        | ╀            | Н        | -           | +           | $\prod$   | 7  |       |     |  |
| 1  | ١               |          | H            | ╂╫╂              | +              |           | H      | ┨┠       |      |       | 4                        | Ŧ          | Н               | 4        | 4  | Į        | H         | 1 [        |            | 109   | 丰        | 二            |          | 士           | 上           | 世         | d  |       |     |  |
| 12   14   15   17   18   19   19   19   10   10   10   11   10   10  | l               | TI II    | П            | VΞ               | 口              |           |        | 1 [      |      | 31    | 土                        | 土          | 廿               | $\pm$    | 士  | +        | H         |            |            |       | +        | ╀            | Н        | +           | ╀           | H         | 7  |       | 8   |  |
| 12   14   14   15   15   16   16   16   16   16   16   | l               |          | H            |                  | ++             | +         | H      | ┨┟       |      |       | +                        | +          | H               | +        | 4  | Ŧ        | $\Box$    |            |            |       | 1        |              |          | 1           | T           | 世         | 1  |       |     |  |
| 19   16  |                 |          | $\Pi$        | ZI 🗄             | 刀              | $\top$    |        | 1        | 6    | 4     | 1                        | $\pm$      | $\Box$          | 土        | 土  | 土        | 丗         | . <u> </u> |            |       | ╁        | +            | H        | +           | ╀           | -         | -  |       |     |  |
|  | l               | 14 16    | Ħ            |                  | _              |           | +      | ┨╏       |      |       | ╀                        | ╀          | Н               | +        | +  | Ŧ        | $\square$ | F          |            |       | 7        | $\Box$       |          | 1           | I           |           | 1  |       | - 1 |  |
| 17   19   19   19   19   19   19   19  | l               |          | H            | Ш                | 77             | A         |        | 1        | - 6  | 7     | #                        | 丰          | Ħ               | 士        |    | 土        | 廿         | E          |            |       | 1        | H            | +        | 116         | +           | > - / *   | +  |       | ~   |  |
|  | l               | 7 19     |              |                  | 世              | $\pm$     | -      | ┧╌┞      |      |       | +                        | ╀╴         | Н               | +        | ╀  | +        | H         | F          |            |       | Ŧ        | П            | $\dashv$ | #           |             |           | 1  | •     | I   |  |
|  | ı               |          |              | 47               | +              | $\Box$    |        | ] [      | 7    | 0     | T                        |            | 口               | #        | 丰  | 土        | 口         | Ė          |            | 120   | $\pm$    |              | +        | ╁           | Н           | +         | 4  |       | ı   |  |
| 120   24   1   1   1   1   1   1   1   1   1   |                 |          | Т            |                  | 廿              |           | 土      | j.E      |      |       | ┿                        | ╀          | Н               | ╁        | ╁  | ╀        | Н         | -          |            |       | $\mp$    | П            | 7        | Ŧ           | П           |           | 1  |       |     |  |
| 21       25       124       125       125       126       128  | ı               | 20 24    | Ħ            | <del>/    </del> | +              | $\square$ | -      | l F      |      |       | Ţ                        |            |                 | #        | 1  | 上        | Ħ         |            | 1          | 23    | 土        |              | 1        | +           | Н           | ┰         | ┨. |       | ı   |  |
| 126  | ı               | 21 25    | Ш            |                  | 廿              |           | $\pm$  | ΙĿ       | 7.   | 5     | +                        | Н          | H               | +        | ╀  | ╀╌       | Н         | ╁          |            |       | +        | П            | Ŧ        | T           | П           | 7         | 1  |       | - 1 |  |
| 78   128   128   128   129   129   130   130   131   131   132   132   132   132   132   133   134   133   134   134   135   136   136   136   136   137   137   138   138   138   138   138   138   138   138   138   138   138   138   139   139   139   139   139   139   140   1 | ļ               | 22 26    | ۳            | 件                | ╅╂             | +         | +      | ΙF       | 7    | 6     | Ŧ                        | П          | $\Box$          | #        | I  |          | 口         |            | 1          | 26    | 土        |              | 士        | $\pm$       | Н           | +         | ┨  |       | ı   |  |
| The state of the   |                 | 2-3 28 - |              |                  | 井              |           | 土      |          |      |       | 土                        | Н          | +               | ┿        | ╁  | $\vdash$ | Н         | ┝          |            |       | +        | Н            | 7        | $\mp$       | П           | $\perp$   | 1  |       | - 1 |  |
| 2L 31       31       81       131       131       132       132       132       132       132       133       133       133       133       133       133       133       133       133       133       134       134       134       134       135       135       135       135       136       135       136       137       137       137       137       137       138       138       138       138       138       139       139       140       139       140       140       141       142       142       142       142       143       144       144       144       144       145       145       145       146       147       147       148       149       1  |                 | 25 30    | +            | HH               | ++             | ╫         | +      | l·}-     |      |       | L                        | П          | $\dashv$        | Ţ        | F  |          |           |            | 1          | 29    | 上        | 廿            | 士        | 上           | Н           | 1         | 1  |       | - [ |  |
| 28     33       29     34       30     35       31     38       32     37       33     38       34     39       35     40       37     42       22     43       37     44       40     91       37     44       40     94       45     96       47     97       48     98       49     99       145     145       48     98       49     149       99     149  |                 |          | $\exists$    | Ш                | #              | $\Box$    | 土      |          | 81   |       |                          | Н          | $\pm$           | +        | ╁  | Н        | Н         | +          |            |       | ╀        | H            | +        | F           | П           | T         | 1  |       |     |  |
| 29 34       84       134         30 35       136       135         31 36       85       135         32 37       87       136         33 38       137       138         34 39       88       138         35 40       90       139         30 41       91       140         20 41       91       141         27 42       92       142         39 44       94       143         40 49       94       144         45       96       145         48       98       148         49       99       149  |                 | 28 33    | Н            | 111              | ++             | ╁┼        | +      | -        |      |       | L                        | Н          | Ŧ               | F        |    |          |           |            | 1          | 32    | 工        |              | $\pm$    |             |             | 上         | 1  |       | -]  |  |
| 31 36  |                 | 29 34    | $\Pi$        |                  | $\Box$         | $\Box$    | 工      |          | 84   |       |                          |            | #               | $\perp$  |    | H        | $\dashv$  | $\vdash$   |            |       | ╀        | H            | +        | +           | 4           | $\perp$   | ł  |       |     |  |
| 87   |                 | 31 36    |              |                  | ++             | ╫         | ╂      | -        |      | _     | Н                        | $\dashv$   | +               | F        | F  | П        | $\exists$ |            | 1          | 35    | $\perp$  |              | 土        |             | 士           | 土         | 1  |       |     |  |
| 34 39  |                 |          | Ŧ            | Ш                | $\blacksquare$ | $\Box$    |        | [        | 87   |       | Ħ                        |            | 土               |          |    |          | $\exists$ | -          |            |       | +        | +            | ╀        | Н           | +           | +         | ł  |       |     |  |
| Section   Sect   |                 | · 34 39  | Н            |                  | H              | ╁┼        | +      | $\vdash$ |      |       | Н                        | +          | - -             | F        | L  | $\Box$   | 7         |            | 13         | 38    |          |              | 丰        |             | 士           | 上         | ĺ  |       | - 1 |  |
| 37     42       32     43       33     44       40     45       48     98       48     98       49     99       48     99       49     99       49     149   |                 | 35 40    | H            |                  | H              | П         | $\Box$ | F        | 90   |       |                          | T          | 土               | İ        |    |          |           |            |            |       | H        | +            | ╁        | Н           | +           | ╬         |    |       | - 1 |  |
| 39   44   143   144   145   145   146   147   148   149      |                 | 37 42    | Щ            | 11               | 止              | Ħ         | 廿      | -        |      |       | H                        | ╁          | +               | $\vdash$ | Н  | $\dashv$ | 7         | F          |            |       |          | 7            | #        |             | #           | 口         |    |       |     |  |
| 95 1445 1445 1445 1446 1447 1448 1448 1448 1448 1448 1448 1448   |                 | 28 44    |              |                  | ₩              | H         | П      | F        |      |       | П                        | コ          |                 |          |    | コ        | d .       |            | 14         | 13    | Н        | -            | ╁        | Н           | ┿           | ++        | İ  |       | - 1 |  |
| 47<br>48<br>49<br>50<br>50   |                 | 140145   |              |                  | 二              | 廿         | 廿      |          |      |       | Н                        | +          | +               | Н        | Н  | +        | $\dashv$  | F          |            |       | П        | T            | F        | П           | 7           | 口         |    |       |     |  |
| 48 98 147 148 148 150 149 149 149 149 149 149 149 149 149 149  |                 |          | +            | +                | ┼┼╴            | H         | +-1    | F        |      |       | $\Box$                   | 7          | T               | П        |    | $\dashv$ | 7         |            | 14         | 6     | H        | 士            | $\pm$    | H           | $\pm$       | +         |    |       |     |  |
| 50 149   |                 | 48       | F            |                  | 口              | 口         | 口      |          | 98   | H     | 7                        | 士          | $\pm$           | Н        | +  | +        | $\dashv$  | $\vdash$   |            |       | H        | F            | F        | H           | Ŧ           | 口         |    |       |     |  |
| 150  |                 |          | $\vdash$     | ┟                | H              | ┼┼        | H      | H        |      | H     | $\dashv$                 | Ŧ          | F               | П        | 7  | #        | 7         | 匚          | 14         | 9     | 口        | $\pm$        | Ħ        | $\exists$   | 士           | 士         |    |       |     |  |
|  | _               |          | _            |                  |                |           |        |          |      |       |                          |            | <u>-</u>        | Ц        | _1 |          |           | <u></u>    | 1 15       | V I   | Ц        |              | Ц        | Щ           |             |           |    |       |     |  |